

Departmental/Program Major Courses (43-47 credits) *A 2.0 average is required in these courses

***Required Major Courses (37 credits)**

- _____ (2) BIOL 12100 Biology I: Diversity, Ecology and Behavior *(satisfies Science, Technology & Society Selective for core)*
- _____ (3) BIOL 13100 Biology II: Development, Structure, and Function of Organisms
- _____ (2) BIOL 13500 First Year Biology Lab or BIOL 14501 First Yr Lab Neuro Res Project or IT 22600 Biotechnology Lab I
- _____ (3) BIOL 23100 Biology III: Cell Structure & Function
- _____ (2) BIOL 23200 Lab in Cell Structure & Function
- _____ (3) BIOL 24100 Biology IV: Genetics & Molecular Biology
- _____ (2) BIOL 24200 Lab in Genetics & Molecular Biology
- _____ (2) BIOL 28600 Intro to Ecology & Evolution
- _____ (3) BIOL 41600 Viruses & Viral Diseases
- _____ (3) BIOL 43800 General Microbiology
- _____ (2) BIOL 43900 Lab in General Microbiology
- _____ (3) BIOL 52900 Bacterial Physiology
- _____ (3) BIOL 54100 Molecular Genetics of Bacteria
- _____ (4) MA 26100 Multivariate Calculus

***Major Selectives - Select one course for each requirement (10-14 credits)**

- _____ (3) Biology Selective [LINK](#)
- _____ (3) Chemistry Selective [LINK](#)
- _____ (0-4) Microbiology Honors Selective
- _____ (4) Microbiology Honors Selective

Other Departmental /Program Course Requirements (66-76 credits)

- _____ (0-4) CHM 11500 (if 12901 is not taken) *(satisfies Science Selective for core)*
- _____ (4-5) CHM 11600 or 12901
- _____ (4) Organic CHM 1 Selective [LINK](#)
- _____ (4) Organic CHM 2 Selective [LINK](#)
- _____ (4) CHM 3xxxx Biochemistry Life Science
- _____ (4) PHYS 1 Selective [LINK](#) *(satisfies Science Selective for core)*
- _____ (4) PHYS 2 Selective [LINK](#)
- _____ (4-5) Calculus 1 Selective – Select from MA 16100 or 16500 *(satisfies Quantitative Reasoning Selective for core)*
- _____ (4-5) Calculus 2 Selective– Select from MA 16200, 16600 or 17300
- _____ (3) STAT 50300
- _____ (3-4) Computer Science Selective [LINK](#)
- _____ (3-4) ENGL 10600 or 10800 *(satisfies Written Communication for core); (satisfies Information Literacy Selective for core)*
- _____ (3) Language & Culture 1 Selective [LINK](#)
- _____ (3) Language & Culture 2 Selective [LINK](#)
- _____ (3) Language & Culture 3 Selective [LINK](#)
- _____ (3) COM 21700 *(satisfies Oral Communication for core)*
- _____ (3) General Education 1 Selective [LINK](#) *(satisfies Human Culture Behavioral/Social Science for core)*
- _____ (3) General Education 2 Selective [LINK](#) *(satisfies Human Cultures Humanities for core)*
- _____ (3) General Education 3 Selective [LINK](#)
- _____ (0-3) Teambuilding & Collaboration Selective [LINK](#)
- _____ (3) Great Issues Selective [LINK](#)
- _____ (1-3) Multidisciplinary Selective [LINK](#)

Electives (0-7 credits)

_____ () _____ () _____ () _____ () _____

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			_____

The student is ultimately responsible for knowing and completing all degree requirements.

Microbiology Honors
(Beginning with CHM 11500 in Fall)
link to plan of study

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
2	BIOL 12100		3	BIOL 13100	
2	BIOL 13500	CHM 11500 coreq	4	CHM 11600	CHM 11500
4	CHM 11500	ALEKS score of 70	4-5	Calculus II Selective	Calc I
4-5	Calculus I Selective		3	Language/Culture 2 Selective	Lang 10100
3	Language/Culture 1 Selective		3-4	ENGL 10600 or 10800	
1	BIOL 11500				
16-17			17-19		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	BIOL 23100	CHM 11600 prereq; BIOL 13100	3	BIOL 24100	BIOL 23100
2	BIOL 23200		2	BIOL 24200	
4	Organic Chem 1 Selective	CHM 11600	4	Organic Chem 2 Selective	Organic I lecture
4	MA 26100	Calc II	2	BIOL 28600	BIOL 12100
3	Language/Culture 3 Selective	varies	1	BIOL 29300	
			3	General Education 1 Selective	
16			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	BIOL 43800	varies	3	BIOL 41600	
2	BIOL 43900		4	CHM 3xxxx	
4	PHYS 1 Selective		4	PHYS 2 Selective	
3	General Education 2 Selective		1	BIOL 39300	
3	COM 21700		3	General Education 3 Selective	
15			14-15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	BIOL 54100		3	Biology Selective	
3	STAT 50300		3	BIOL 52900	
4	Microbiology Honors Selective		4	Microbiology Honors Selective	
3-4	Computer Science Selective		3	Great Issues Selective	
1-3	Multidisciplinary Selective				
14-17			13		

120 semester credits required for Bachelor of Science degree.
3.0 Graduation GPA required for Microbiology Honors major.
2.0 Graduation GPA required for Bachelor of Science degree.

The student is ultimately responsible for knowing and completing all degree requirements.
